

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1440)	ATT. JOCKET NO.	SERIAL NO.
	200701/1038	10/157,956
	APPLICANT	
	Moon et al.	
	FILING DATE	GROUP ART UNIT
	May 31, 2002	1745 1723

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	1	4,056,324	11/01/1977	Göhde	356	246
EGT	2	4,356,722	11/02/1982	Bunce et al.	73	53
EGT	3	4,366,118	12/28/1982	Bunce et al.	422	57
EGT	4	4,369,664	01/25/1983	Bunce et al.	73	53
EGT	5	4,459,267	07/10/1984	Bunce et al.	422	57
EGT	6	4,593,728	06/10/1986	Whitehead et al.	422	57
EGT	7	4,708,782	11/24/1987	Andresen et al.	204	899

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
EGT	8	EP 0 637 998 B1	07/31/1996	Europe	250	288	No
EGT	9	EP 0 639 223 B1	07/03/1996	Europe	250	288	No
EGT	10	EP 0 677 322 A2	10/18/1995	Europe	250	288	No

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	11	Beavis et al., "Off-Line Coupling of a Microbore High-Performance Liquid Chromatograph to a Secondary Ion Time-of-Flight Mass Spectrometer," <u>Anal. Chem.</u> , 62:1259-1264 (1990)
EGT	12	Burggraf et al., "Synchronized Cyclic Capillary Electrophoresis - A Novel Approach to Ion Separations in Solution," <u>J. High Resol. Chromatogr.</u> , 16:594-596 (1993)
EGT	13	Cheng et al., "Chip PCR. II: Investigation of Different PCR Amplification Systems in Microfabricated Silicon-Glass Chips," <u>Nucleic Acids Res.</u> , 24(2):380-385 (1996)
EGT	14	Chu et al., "Affinity Capillary Electrophoresis - Mass Spectrometry for Screening Combinatorial Libraries," <u>J. Am. Chem. Soc.</u> , pp. 7827-7835 (1996)
EGT	15	Cowen et al., "An On-Chip Miniature Liquid Chromatography System: Design, Construction and Characterization," <u>Micro Total Analysis Systems</u> , pp. 295-298 (1995)
EXAMINER		DATE CONSIDERED
THERKORN		4/14/04 MARCH 27, 2002
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	A. DOCKET NO. 200701/1038	SERIAL NO. 10/677,391 10/457,968 10/57,956
	APPLICANT Moon et al.	
	FILING DATE May 31, 2002	GROUP ART UNIT 1745 1723

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	16	4,879,097	11/07/1989	Whitehead et al.	422 67	
EGT	17	4,891,120	01/02/1990	Sethi et al.	204 299	
EGT	18	4,908,112	03/13/1990	Pace	204 299	
EGT	19	4,983,038	01/08/1991	Ohki et al.	356 246	
EGT	20	4,999,493	03/12/1991	Allen et al.	250 288	
EGT	21	5,015,845	05/14/1991	Allen et al.	250 288	
EGT	22	5,110,745	05/05/1992	Kricka et al.	436 87	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE
EGT	23	WO 00/52455	09/08/2000	PCT	250 288	NO
EGT	24	WO 01/50499	07/12/2001	PCT	250 288	NO
EGT	25	WO 01/53819	07/26/2001	PCT	250 288	NO

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	26	Davis et al., "A Microscale Electrospray Interface for On-Line, Capillary Liquid Chromatography/Tandem Mass Spectrometry of Complex Peptide Mixtures," <i>Anal. Chem.</i> , 67:4549-4556 (1995)
EGT	27	Deml et al., "Electric Sample Splitter for Capillary Zone Electrophoresis," <i>J. Chromatogr.</i> , 320:159-165 (1985)
EGT	28	Doherty et al., "Rapid On-Line Analysis Using a Micromachined Gas Chromatograph Coupled to a Bench-Top Quadrupole Mass Spectrometer," <i>LC-GC</i> , 12(11):846-850 (1994)
EGT	29	Effenhauser et al., "High-Speed Separation of Antisense Oligonucleotides on a Micromachined Capillary Electrophoresis Device," <i>Anal. Chem.</i> , 66:2949-2953 (1994)
EGT	30	Effenhauser et al., "Glass Chips for High-Speed Capillary Electrophoresis Separations with Submicrometer Plate Heights," <i>Anal. Chem.</i> , 65:2637-2642 (1993)
EXAMINER THERKOR		DATE CONSIDERED 4/14/04 March 27, 2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use several sheets if necessary) (PTO-1449)	<b>ATTN: DOCKET NO.</b> 200701/1038	<b>SERIAL NO.</b> 10/677,391 <del>10/157,938</del> <del>10/157,956</del>
	<b>APPLICANT</b> Moon et al.	<b>GROUP ART UNIT</b> 1743 1723
	<b>FILING DATE</b> May 31, 2002	

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	31	5,126,022	06/30/1992	Soane et al.	204 180.1	
EGT	32	5,132,012	07/21/1992	Miura et al.	210 198.2	
EGT	33	5,180,480	01/19/1993	Manz	204 299	
EGT	34	5,245,185	09/14/1993	Busch et al.	250 288	
EGT	35	5,269,900	12/14/1993	Jorgenson et al.	204 299	
EGT	36	5,283,036	02/01/1994	Hofmann et al.	422 70	
EGT	37	5,296,114	03/22/1994	Manz	204 180.1	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	38	Effenhauer et al., "Manipulation of Sample Fractions on a Capillary Electrophoresis Chip," <u>Anal. Chem.</u> , 67(13):2284-2287 (1995)
EGT	39	Elwenspoek et al., "Silicon Microstructures for Fluid Handling," <u>Analysis Magazine</u> , pp. 1-4 (1994)
EGT	40	Emmett et al., "Micro-Electrospray Mass Spectrometry: Ultra-High-Sensitivity Analysis of Peptides and Proteins," <u>J. Am. Soc. Mass Spectrom.</u> , 5:605-613 (1994)
EGT	41	Fan et al., "Micromachining of Capillary Electrophoresis Injectors and Separators on Glass Chips and Evaluation of Flow at Capillary Intersections," <u>Anal. Chem.</u> , 66:177-184 (1994)
EGT	42	Fang et al., "On-Line Time-of-Flight Mass Spectrometric Analysis of Peptides Separated by Capillary Electrophoresis," <u>Anal. Chem.</u> , 66:3696-3701 (1994)
EXAMINER  THERKOPF		DATE CONSIDERED 4/14/04 MARCH 27 2002

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	A1 DOCKET NO.	SERIAL NO.
	200701/1038	10/677,321 <del>10/157,958</del>
	APPLICANT	
	Moon et al.	
	FILING DATE	GROUP ART UNIT
	May 31, 2002	4742 1723

RECEIVED  
 FEB 25 2003  
 TC 1700

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	43	5,296,375	03/22/1994	Kricka et al.	435	291
EGT	44	5,302,533	04/12/1994	Kricka	436	527
EGT	45	5,304,487	04/19/1994	Wilding et al.	435	291
EGT	46	5,306,621	04/26/1994	Kricka	435	291
EGT	47	5,328,578	07/12/1994	Gordon	204	180.1
EGT	48	5,331,159	07/19/1994	Apffel, Jr. et al.	250	288
EGT	49	5,332,481	07/26/1994	Guttman	204	182.8

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	50	Figueroa et al., "High-Performance Immobilized-Metal Affinity Chromatography of Proteins on Iminodiacetic Acid Silica-Based Bonded Phases," <u>J. Chromatogr.</u> 371:335-352 (1986)
EGT	51	Harrison et al., "Rapid Separation of Fluorescein Derivatives Using a Micromachined Capillary Electrophoresis System," <u>Analytica Chimica Acta</u> , 283:361-366 (1993)
EGT	52	Harrison et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip," <u>Anal. Chem.</u> 64(17):1926-1932 (1992)
EGT	53	Harrison et al., "Towards Miniaturized Electrophoresis and Chemical Analysis Systems on Silicon: An Alternative to Chemical Sensors," <u>Sensors and Actuators B</u> , 10:107-116 (1993)
EGT	54	Jacobson et al., "Microchip Electrophoresis With Sample Stacking," <u>Electrophoresis</u> , 16:481-486 (1995)
EGT	55	Jacobson et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> , 67:2059-2063 (1996)
EXAMINER		DATE CONSIDERED
THER KORN		4/14/04 MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	A. DOCKET NO.		SERIAL NO.
	200701/1038		10/677391 10/157,958
	APPLICANT		
	Moon et al.		
FILING DATE		GROUP ART UNIT	
May 31, 2002		1745 1723	

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	56	5,338,427	08/16/1994	Shurtle et al.	204 299	
EGT	57	5,374,834	12/20/1994	Geis et al.	257 239	
EGT	58	5,376,252	12/27/1994	Ekström et al.	204 299	
EGT	59	5,387,329	02/07/1995	Foos et al.	204 415	
EGT	60	5,401,376	03/28/1995	Foos et al.	204 415	
EGT	61	5,401,963	03/28/1995	Sittler	250 299	
EGT	62	5,415,841	05/16/1995	Dovich et al.	422 681	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	63	Jacobson et al., "Microchip Capillary Electrophoresis with an Integrated Postcolumn Reactor," <u>Anal. Chem.</u> , 66:3472-3476 (1994)
EGT	64	Jacobson et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices," <u>Anal. Chem.</u> , 66:1107-1113 (1994)
EGT	65	Jacobson et al., "Integrated Microdevice for DNA Restriction Fragment Analysis," <u>Anal. Chem.</u> , 68(5):720-723 (1996)
EGT	66	Jacobson et al., "Precolumn Reactions with Electrophoretic Analysis Integrated on a Microchip," <u>Anal. Chem.</u> , 66:4127-4132 (1994)
EGT	67	Jansson et al., "Micro Vials on a Silicon Wafer for Sample Introduction in Capillary Electrophoresis," <u>J. Chromatogr.</u> , 626:310-314 (1992)
EGT	68	Ko et al., "Semiconductor Integrated Circuit Technology and Micromachining," pp. 109-168 - undated
EXAMINER		DATE CONSIDERED
THERKOR		4/14/04 MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1445)	A1 DOCKET NO.	SERIAL NO. 10/677,391
	200701/1038	<del>10/157,958</del> 10/157,956
	APPLICANT	
	Moon et al.	
	FILING DATE	GROUP ART UNIT
	May 31, 2002	<del>4743</del> 1723

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	69	5,421,980	06/06/1995	Guttman	204	182.8
EGT	70	5,427,946	06/27/1995	Kricka et al.	435	291
EGT	71	5,429,734	07/04/1995	Gajar et al.	204	299
EGT	72	5,486,335	01/23/1996	Wilding et al.	422	55
EGT	73	5,498,392	03/12/1996	Wilding et al.	422	681
EGT	74	5,512,131	04/30/1996	Kumar et al.	156	6551
EGT	75	5,512,451	04/30/1996	Kricka	435	28

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	76	Körner et al., "Nano Electrospray Combined with a Quadrupole Ion Trap for the Analysis of Peptides and Protein Digests,"
		J. Am. Soc. Mass. Spectrom., 7:150-156 (1996)
EGT	77	Koutny et al., "Microchip Electrophoretic Immunoassay for Serum Cortisol," Anal. Chem., 68:18-22 (1996)
EGT	78	Kruger et al., "Durable Gold-Coated Fused Silica Capillaries for Use in Electrospray Mass Spectrometry," Anal. Chem., 67:385-389 (1995)
EGT	79	Manz et al., "Micromachining of Monocrystalline Silicon and Glass for Chemical Analysis Systems," Trends in Anal. Chem., 10(5):144-149 (1991)
EGT	80	Manz et al., "Planar Chips Technology for Miniaturization and Integration of Separation Techniques Into Monitoring Systems," J. Chromatogr., 593:253-258 (1992)
EGT	81	Manz et al., "Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective in Chemical Monitoring," Advances in Chromatography, pp. 1-66 (1993)
EXAMINER		DATE CONSIDERED
THERKOE		4/14/04 MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	AT DOCKET NO.	SERIAL NO.
	200701/1038	10/677,391
	APPLICANT	10/157,958-10/157,956
	Moon et al.	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP ART UNIT
(use several sheets if necessary)	May 31, 2002	1943-1723
(PTO-1419)		

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	82	5,572,023	11/05/1996	Caprioli	250 288	
EGT	83	5,652,427	07/29/1997	Whitehouse et al.	250 288	
EGT	84	5,750,988	05/12/1998	Apffel et al.	250 288	
EGT	85	5,877,495	03/02/1999	Takada et al.	250 288	
EGT	86	6,005,245	12/21/1999	Sakairi et al.	250 281	
EGT	87	6,032,876	03/07/2000	Bertsch et al.	239 418	
EGT	88	6,060,705	05/09/2000	Whitehouse et al.	250 288	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	89	Manz et al., "Design of an Open-Tubular Column Liquid Chromatograph Using Silicon Chip Technology," <u>Sensors and Actuators</u> , B1:249-255 (1990)
EGT	90	Manz et al., "Miniaturization of Separation Techniques Using Planar Chip Technology," <u>J. High Resol. Chromatogr.</u> , 16:433-436 (1993)
EGT	91	Manz et al., "Planar Chip Technology for Capillary Electrophoresis," <u>Fresenius J. Anal. Chem.</u> , 348:567-571 (1994)
EGT	92	Moore et al., "Microchip Separations of Neutral Species Via Micellar Electrokinetic Capillary Chromatography," <u>Anal. Chem.</u> , 67:4184-4189 (1995)
EGT	93	Nichols et al., "CE-MS for Industrial Applications Using a Liquid Junction With Ion-Spray and CF-FAB Mass Spectrometry," <u>LC-GC</u> , 10(9):676-686 (1992)
EGT	94	Ocvirk et al., "High Performance Liquid Chromatography Partially Integrated Onto a Silicon Chip," <u>Anal. Meth. Instrumen.</u> , 2(2):74-82 (1995)
EXAMINER THERKOR		DATE CONSIDERED 4/14/04 MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	A. DOCKET NO.		SERIAL NO. 10/677,391
	200701/1038		10/157,958
	APPLICANT		
	Moon et al.		
FILING DATE		GROUP ART UNIT	
May 31, 2002		1723	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	95	6,066,848	05/23/2000	Kassel et al.	250 288	
EGT	96	6,114,693	09/05/2000	Hirabayashi et al.	250 288	

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	97	Olivares et al., "On-Line Mass Spectrometric Detection for Capillary Zone Electrophoresis," <i>Anal. Chem.</i> , 59:1230-1232 (1987)
EGT	98	Overton et al., "Development of a Temperature Programmed Microchip, High Resolution Gas Chromatograph/Mass Spectrometer for Volatile Organic Compound Analysis," pp. 395-398
EGT	99	Petersen, "Biomedical Applications of MEMS," <i>IEEE</i> , pp. 239-242 (1996)
EGT	100	Raymond et al., "Continuous Sample Pretreatment Using a Free-Flow Electrophoresis Device Integrated Onto a Silicon Chip," <i>Anal. Chem.</i> , 66:2858-2865 (1994)
EGT	101	Roeraade, "Nano-Sized Systems for Bioanalysis," Eighth International Symposium on High Performance Capillary Electrophoresis, pp. 3, 19, 68 (1996) (abstract)
EGT	102	Seiler et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow Within a Manifold of Capillaries on a Glass Chip," <i>Anal. Chem.</i> , 66(20):3485-3491 (1994)
EXAMINER		DATE CONSIDERED
THERKOR		4/14/04 MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		



<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use several sheets if necessary) (PTO-1449)	A1 DOCKET NO. 200701/1038		SERIAL NO. 10/677,391 10/157,958-10/157,956
	APPLICANT Moon et al.		RECEIVED FEB 25 2003 TC 1700
	FILING DATE May 31, 2002		
	GROUP ART UNIT 1743 1723		

FEB 21 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	103	Seiler et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <u>Anal. Chem.</u> , 65:1481-1488 (1993);
EGT	104	Shoffner et al., "Chip PCR. I: Surface Passivation of Microfabricated Silicon-Glass Chips for PCR," <u>Nucleic Acids Res.</u> , 24(2):375-379 (1996)
EGT	105	Sjölander et al., "Integrated Fluid Handling System for Biomolecular Interaction Analysis," <u>Anal. Chem.</u> , 63(20):2338-2345 (1991)
EGT	106	Smith et al., "Improved Electrospray Ionization Interface for Capillary Zone Electrophoresis-Mass Spectrometry," <u>Anal. Chem.</u> , 60:1948-1952 (1988)
EGT	107	Valaskovic et al., "Atomole-Sensitivity Electrospray Source for Large-Molecule Mass Spectrometry," <u>Anal. Chem.</u> , 67:3802-3805 (1995)
EGT	108	Wahl et al., "Sheathless Capillary Electrophoresis-Electrospray Ionization Mass-Spectrometry Using 10 µm I.D. Capillaries: Analyses of Tryptic Digests of Cytochrome c," <u>J. Chromatogr. A</u> , 659:217-222 (1994)
EGT	109	Whitehouse et al., "Electrospray Interface for Liquid Chromatographs and Mass Spectrometers," <u>Anal. Chem.</u> , 57:675-679 (1985)
EGT	110	Woolley et al., "Ultra-High-Speed DNA Sequencing Using Capillary Electrophoresis Chips," <u>Anal. Chem.</u> , 67:3676-3680 (1995)
EXAMINER		DATE CONSIDERED
THERKORU		4/14/04 MARCH 27 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	AT. . . DOCKET NO. 200701/1038	SERIAL NO. 10/677,391 <del>10/157,958</del>
	APPLICANT Moon et al.	GROUP ART UNIT 1723
	FILING DATE May 31, 2002	

RECEIVED  
 FEB 25 2003  
 TC 1700

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	111	Woolley et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," Proc. Natl. Acad. Sci. USA, 91:11348-11352 (1994)
EGT	112	Yoshida et al., "Direct Measurement of Mass Fragmentograms for Eluents From a Micro-Liquid Chromatograph Using an Improved Nebulizing Interface," J. HRC&CC, 3:16-20 (1980)
EGT	113	Smith et al., "New Developments in Microscale Separations and Mass Spectrometry for Biomonitoring: Capillary Electrophoresis and Electrospray Ionization Mass Spectrometry," J. Toxicol. and Environ. Health, 40:147-158 (1993)
EXAMINER	DATE CONSIDERED 4/14/04 MARCH 27, 2003	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

TH ERKORJ

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	A1 . . DOCKET NO.	SERIAL NO. 10/677,391
	200701/1038	10/157,958-10/157,956
	APPLICANT	
	Moon et al.	
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE	GROUP ART UNIT
(use several sheets if necessary)	May 31, 2002	1723
(PTO-1449)		

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	114	4,480,259	10/30/1984	Kruger et al.	346 140	
EGT	115	4,489,259	12/18/1984	White et al.	318 696	
EGT	116	4,490,728	12/25/1984	Vaught et al.	346 11	
EGT	117	4,590,482	05/20/1986	Hay et al.	346 11	
EGT	118	4,842,701	06/27/1989	Smith et al.	250 288	
EGT	119	5,162,650	11/10/1992	Bier et al.	250 288	
EGT	120	5,182,366	01/26/1993	Huebner et al.	530 334	
EGT	121	5,423,964	06/13/1995	Smith et al.	204 180	
EGT	122	5,481,110	01/02/1996	Krishnaswamy et al.	250 288	
EGT	123	5,501,883	03/26/1996	Ishikawa et al.	428 1	
EGT	124	5,501,893	03/26/1996	Laermer et al.	428 161	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
EGT	125	EP 259,796 B1	01/03/1996	Europe	250 288	
EGT	126	EP 565,027 B1	03/05/1997	Europe	250 288	
EGT	127	EP 588,952 B1	09/01/1999	Europe	250 288	
EGT	128	EP 677,332 A2	10/18/1995	Europe	250 288	
EGT	129	EP 692,713 A1	01/17/1996	Europe	250 288	

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	130	Knox, "Theoretical Aspects of LC with Packed and Open Small-Bore Columns," <i>Journal of Chromatographic Science</i> 18:453-461 (1980)
EGT	131	Alexander et al., "Development of a Nano-electrospray Mass Spectrometry Source for Nanoscale Liquid Chromatography and Sheathless Capillary Electrophoresis," <i>Rapid Commun. Mass Spectrom.</i> 12:1187-1191 (1998)
EGT	132	Dole et al., "Molecular Beams of Macroions," <i>J. Chem. Phys.</i> 49:2240-2249 (1968)
EXAMINER		DATE CONSIDERED 4/14/04
THERKORW		MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICESUPPLEMENTAL INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

(use several sheets if necessary)

(PTO-1449)

AT. DOCKET NO.

200701/1038

APPLICANT

Moon et al.

FILING DATE

May 31, 2002

SERIAL NO. 10/677,391

10/157,958

GROUP ART UNIT

1743 1723

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	133	5,523,566	06/04/1996	Fuerstenau et al.	250	282
EGT	134	5,536,939	07/16/1996	Freidhoff et al.	250	281
EGT	135	5,541,408	07/30/1996	Sittler	250	288
EGT	136	5,563,639	10/08/1996	Cameron et al.	347	34
EGT	137	5,608,217	03/04/1997	Franzen et al.	250	288
EGT	138	5,640,010	06/17/1997	Twerenbold	250	281
EGT	139	5,641,400	06/24/1997	Kaltenbach et al.	210	1982
EGT	140	5,644,131	07/01/1997	Hansen	250	292
EGT	141	5,705,813	01/06/1998	Apffel et al.	250	288
EGT	142	5,716,825	02/10/1998	Hancock et al.	435	286.5

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
EGT	143	EP 0 860,858 A1	08/26/1998	Europe	250	288
	144	EP 0 964,428 A2	12/15/1999	Europe		
	145	EP 0 966,022 A2	12/22/1999	Europe		
EGT	146	GB 2,287,356 A	09/13/1995	United Kingdom	250	288
EGT	147	WO 97/04297	02/06/1997	PCT	250	288

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	148	Yamashita et al., "Electrospray Ion Source. Another Variation on the Free-Jet Theme," J. Phys. Chem.
		88(20):4451-4459 (1984)
EGT	149	David P.H. Smith, "The Electrohydrodynamic Atomization of Liquids," IEEE Transactions on Industry Applications
		IA-22(3):527-535 (1986)
EGT	150	Harrison et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip,"
		Science 261:895-897 (1993)
EXAMINER		DATE CONSIDERED
THERKOE		4/14/04
		MARCH 27, 2003
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO/1449)	A DOCKET NO.		SERIAL NO.
	200701/1038		10/677,391
	APPLICANT		<del>10/157,958</del> 10/157,956
	Moon et al.		
FILING DATE		GROUP ART UNIT	
May 31, 2002		4743-1723	

RECEIVED  
 FEB 25 2003  
 TC 1700

FEB 21 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	151	5,747,815	03/05/1998	Young et al.	250	282 423
EGT	152	5,779,868	07/14/1998	Parce et al.	204 250	281 604
EGT	153	5,872,010	02/16/1999	Karger et al.	436 250	288 173
EGT	154	5,917,184	06/24/1999	Carson et al.	250 347	34 288
EGT	155	5,969,353	10/19/1999	Hsieh	250	288
EGT	156	5,972,187	10/26/1999	Parce et al.	204	453
EGT	157	5,993,633	11/30/1999	Smith et al.	204	601
EGT	158	5,994,696	11/30/1999	Tai et al.	250	288

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.):

EGT	159	Jacobson et al., "Open Channel Electrochromatography on a Microchip," <u>Anal. Chem.</u> 66:2369-2373 (1994)
EGT	160	Kutter et al., "Integrated Microchip Device with Electrokinetically Controlled Solvent Mixing for Isocratic and Gradient Elution in Micellar Electrokinetic Chromatography," <u>Anal. Chem.</u> 69:5165-5171 (1997)
EGT	161	He et al., "Fabrication of Nanocolumns for Liquid Chromatography," <u>Anal. Chem.</u> 70:3790-3797 (1998)
EGT	162	Wilm et al., "Electrospray and Taylor-Cone Theory, Dole's Beam of Macromolecules at Last?" <u>Int'l. J. Mass Spectrom. Ion Processes</u> 136:167-180 (1994)
EGT	163	Gale et al., "Small Volume and Low Flow-rate Electrospray Ionization Mass Spectrometry of Aqueous Samples," <u>Rapid Commun. Mass Spectrom.</u> 7:1017-1021 (1993)
EGT	164	Ramsey et al., "Generating Electrospray from Microchip Devices Using Electroosmotic Pumping," <u>Anal. Chem.</u> 69:1174-1178 (1997)

EXAMINER

THERKORN

DATE CONSIDERED

4/14/04  
MARCH 27, 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

SUPPLEMENTAL INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

(use several sheets if necessary)

(PTO 1449)

AT. JACKET NO.

200701/1038

APPLICANT

Moon et al.

FILING DATE

May 31, 2002

SERIAL NO.

Sheet 14 of 19, 20

10/677,391

10/157,958

10/157,956

GROUP ART UNIT

1743-1723

RECEIVED  
FEB 25 2003  
TC 1700

FEB 21 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	165	6,068,749	05/30/2000	Karger et al.	204 452	
EGT	166	6,110,343	08/29/2000	Ramsey et al.	204 601	
EGT	167	3,538,744	11/10/1970	Karasek et al.	73 231	
EGT	168	3,738,759	06/12/1973	Dittrich et al.	356 200	
EGT	169	3,915,652	10/28/1975	Natelson	422 65	
EGT	170	3,150,442	09/29/1964	Straw et al.	239 601	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
EGT 171	DE 43 18 407 A1	06/03/1993	Germany	250 288	abstract
EGT 172	WO 93/22053	11/11/1993	PCT	250 288	
EGT 173	WO 93/22055	11/11/1993	PCT	250 288	
EGT 174	GB 2,260,282	04/14/1993	GB	250 288	
EGT 175	WO 92/03720	03/05/1992	PCT	250 288	
EGT 176	WO 96/04547	02/15/1996	PCT	250 288	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	177	Xue et al., "Multichannel Microchip Electrospray Mass Spectrometry," <u>Anal. Chem.</u> 69:426-430 (1997)
EGT	178	Desai et al., "A MEMS Electrospray Nozzle for Mass Spectroscopy," 1997 Int. Conference on Solid State Sensors and Actuators, Chicago, pp. 927-930 (June 16-19, 1997)
EGT	179	Jacobson et al., "High-Speed Separations on a Microchip," <u>Anal. Chem.</u> 66:1114-1118 (1994)
EGT	180	Wang et al., "Polymer-Based Electrospray Chips for Mass Spectrometry," Twelfth IEEE International Conference on Micro Electro Mechanical Systems, Orlando, Florida, pp. 523-528 (1999)
EGT	181	Laermer et al., "Bosch Deep Silicon Etching: Improving Uniformity and Etch Rate for Advanced Mems Applications," Twelfth IEEE International Conference on Micro Electro Mechanical Systems, Orlando, Florida, pp. 211-216 (1999)
EXAMINER		DATE CONSIDERED 4/14/04 MARCH 27, 2003
THERIKOV		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 15 of 19 2 c

<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use several sheets if necessary)  (PTO-1449)	ATTY. SCKET NO.  200701/1038	SERIAL NO. <u>101677391</u> <del>10167958</del> <u>10157956</u>
	APPLICANT  Moon et al.	
	FILING DATE  May 31, 2002	GROUP ART UNIT  <del>1743</del> <u>1723</u>

RECEIVED  
 FEB 25 2003  
 TG 1700

U.S. PATENT DOCUMENTS

FEB 21 2003

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EGT	182	3,921,916	11/25/1975	Bassous	239 601	
EGT	183	4,007,464	02/08/1977	Bassous et al.	239 601	
EGT	184	4,209,696	06/24/1980	Fite	250 281	
EGT	185	4,437,103	03/13/1984	Ikeda	239 604	
EGT	186	4,733,823	03/29/1988	Waggner et al.	239 601	
EGT	187	5,349,186	09/20/1994	Iknonmou et al.	250 288	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION IF APPROPRIATE
EGT	188	WO 96/14933	05/1996	PCT	250	288	
EGT	189	WO 96/14934	05/1996	PCT	250	288	
EGT	190	WO 96/15269	05/1996	PCT	250	288	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	191	Wilm et al., "Analytical Properties of the Nanoelectrospray Ion Source," <u>Anal. Chem.</u> , 68:1-8 (1996)
EGT	192	Electrospray Ionization Mass Spectrometry: Fundamentals, Instrumentation, and Applications, ed. R.B. Cole, ISBN 0-471-14564-5, New York, New York: John Wiley & Sons, Inc., pp. 3-63 (1997)
EGT	193	Figeys et al., "A Microfabricated Device for Rapid Protein Identification by Microelectrospray Ion Trap Mass Spectrometry," <u>Anal. Chem.</u> , 69:3153-3160 (1997)
EGT	194	Vanhoutte et al., "Development of a Nanoscale Liquid Chromatography/Electrospray Mass Spectrometry Methodology for the Detection and Identification of DNA Adducts," <u>Anal. Chem.</u> , 69:3161-3168 (1997)
EGT	195	Andren et al., "Micro-Electrospray: Zeptomole/Attomole per Microliter Sensitivity for Peptides," <u>J. Am. Soc. Mass Spectrom.</u> , 5:867-869 (1994)
EXAMINER  THERKORN		DATE CONSIDERED 4/14/04 March 27, 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	A1... DOCKET NO. 200701/1038		SERIAL NO. <b>10/677391</b> <del>10/157,958</del> <b>10/157,956</b>
	APPLICANT Moon et al.		
	FILING DATE May 31, 2002		GROUP ART UNIT 1743-1723
	RECEIVED FEB 25 2003 TC 1700		

FEB 21 2003

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	196	5,505,832	04/09/1996	Laukien et al.	250	288
EGT	197	6,171,875 B1	01/09/2001	Silverbrook	438	21
EGT	198	6,432,311 B2	08/13/2002	Moon et al.	210	1982
EGT	199	6,461,516 B2	10/08/2002	Moon et al.	210	1982
EGT	200	6,464,866 B2	10/15/2002	Moon et al.	210	1982
EGT	201	US 2001/0001455	05/24/2001	Moon et al.	210	1982
EGT	202	US 2001/0001460	05/24/2001	Moon et al.	210	1982

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT	203	Angell et al., "Silicon Micromechanical Devices," <i>Scientific American</i> , 248(4):44-55 (1983)
EGT	204	Beavis et al., "Automated Dry Fraction Collection for Microbore High-Performance Liquid Chromatography-Mass Spectrometry," <i>J. Chromatography</i> , 359:489-497 (1986)
	205	Peters et al., "Rigid Macroporous Polymer Monoliths," <i>Adv. Mater.</i> , 11(14):1169-1181 (1999)
	206	Snyder, <i>Introduction to Modern Liquid Chromatography</i> , John Wiley & Sons, Inc., pp. 270-272 and 277-278 (1979)
EXAMINER		DATE CONSIDERED
THERKORN		4/14/04 MARCH 27, 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use several sheets if necessary) (PTO-1449)	<b>A. . Y. DOCKET NO.</b> 200701/1038		<b>SERIAL NO.</b> 10/677,391 <del>10/157,958</del> 10/157,956
	<b>APPLICANT</b> Moon et al.		<b>GROUP ART UNIT</b> <del>474</del> 1723
	<b>FILING DATE</b> May 31, 2002		

RECEIVED  
 FEB 25 2003  
 TC 1700

FEB 21 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	207	US 2002/0123153	09/05/2002	Moon et al.	210	1982
EGT	208	US 2002/0158027	10/31/2002	Moon et al.	210	1982
	209	3,669,881	06/13/1972	Cremet et al.		
	210	4,092,166	05/30/1978	Olsen et al.		
	211	4,403,234	09/06/1983	Miura et al.		
	212	4,683,042	07/28/1987	Scott		
	213	4,728,392	03/01/1988	Miura et al.		
	214	5,294,426	03/15/1994	Sekine et al.		

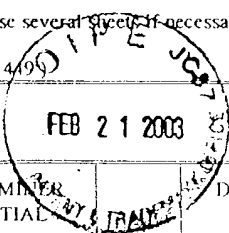
FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER THERKORN			DATE CONSIDERED 4/14/04 APR 27, 2003				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

<b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>SUPPLEMENTAL INFORMATION</b> <b>DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (use several sheets if necessary) (PTO-1449)	<b>A. Y. DOCKET NO.</b> 200701/1038		<b>SERIAL NO.</b> 10/677,391 10/157,958 10/157,956
	<b>APPLICANT</b> Moon et al.		<div style="transform: rotate(-45deg);"> <b>RECEIVED</b>  <b>FEB 25 2003</b>  <b>16 1700</b> </div>
	<b>FILING DATE</b> May 31, 2002		
	<b>GROUP ART UNIT</b> 1743 1723		



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	215	5,316,680	05/31/1994	Frechet et al.		
	216	5,334,310	08/02/1994	Frechet et al.		
	217	5,431,807	07/11/1995	Frechet et al.		
	218	5,445,324	08/29/1995	Berry et al.		
	219	5,453,185	09/26/1995	Frechet et al.		
	220	5,493,115	02/20/1996	Deinzer et al.		
	221	5,495,108	02/27/1996	Apffel, Jr. et al.		
	222	5,647,979	07/15/1997	Liao et al.		

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

<b>EXAMINER</b> THERKORN			<b>DATE CONSIDERED</b> 4/14/04 MARCH 27, 2003

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**SUPPLEMENTAL INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT**

(use several sheets if necessary)

(PTO-1449)

A. J. DOCKET NO.

200701/1038

**APPLICANT:**

Moon et al.

FILING DATE

May 31, 2002

SERIAL NO. 10/677, 391

~~10457958~~

GROUP ART UNIT

~~1743~~ | 723

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	223	5,789,746	08/04/1998	Kato et al.		
	224	5,800,692	09/01/1998	Naylor et al.		
	225	5,804,022	09/08/1998	Kaltenbach et al.		
	226	5,856,082	01/05/1999	Aebersold et al.		
	227	5,876,957	03/02/1999	Douglas et al.		
	228	5,917,185	06/29/1999	Yeung et al.		
	229	5,969,351	10/19/1999	Nabeshima et al.		
	230	6,007,775	12/28/1999	Yager		
EGT	231	6,394,942B2	05/28/2002	Moon et al.	210	198.2
EGT	232	6,417,510 B2	07/09/2002	Moon et al.	210	198.2

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION IF APPROPRIATE

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER			DATE CONSIDERED 4/14/04 <del>MARCH 27, 2003</del>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

<b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use several sheets if necessary)  (PTO-1449)	<b>A.I.Y. DOCKET NO.</b> 200701/1038		<b>SERIAL NO.</b> 10/157,958 To Be Assigned	
	<b>APPLICANT</b> Moon et al.			
	<b>FILING DATE</b> Herewith		<b>GROUP ART UNIT</b> 1723 (Expected)	
	11033 U.S. PTO 10/157958 05/31/02			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
EGT	1	6,245,227	06/12/2001	Moon et al.	210	198.2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EGT		2	Moon et al., U.S. Patent Application Publication No. 2001/0013490, 08/16/2001
EXAMINER		DATE CONSIDERED	
THERKORN		4/14/04 MARCH 27, 2003	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.